

102460 to 102469—Continued.

and purple leaves appear. These are about a foot long and 3 to 4 inches wide.

102462. *PASSIFLORA VITIFOLIA* H. B. K. Passifloraceae.

No. 3087. Cuttings collected near Fort Sherman, March 25, 1933. A strong-growing woody climber with deeply three-lobed heart-shaped leaves and large scarlet flowers about 5 inches across. The vine is reported to be immune from insects and nematodes.

102463 to 102467. *PHILODENDRON* spp. Araceae.102463. *PHILODENDRON* sp.

No. 3079. From Ancon, March 23, 1933. Cuttings of a handsome species, with dark-green elliptical leaves and a graceful habit of growth.

102464. *PHILODENDRON* sp.

No. 3080. From Barro Colorado Island, March 23, 1933. Cuttings of a rank climbing species of loose growth, with small very dark-green leaves that have broad petioles.

102465. *PHILODENDRON* sp.

No. 3081. From the Armour trail on Barro Colorado Island, March 23, 1933. A species with handsome immense dark-green leaves on long petioles.

102466. *PHILODENDRON* sp.

No. 3102. Cuttings collected in the Experiment Garden, Summit, March 23, 1933. A very pretty species with beautiful light-green, finely parted leaves.

102467. *PHILODENDRON* sp.

No. 3105. From the Experiment Garden, Summit, March 23, 1933. Cuttings of an epiphytic species with large dark-green cordate leaves. It is native to the Canal Zone.

102468. (Undetermined.)

No. 4. Cuttings of an aroid collected on Barro Colorado Island, March 23, 1933.

102469. *IPOMOEA HEPTAPHYLLA* (Rottl. and Willd.) Voigt. Convolvulaceae.

No. 3013. From Crooked Island, Bahamas, February 2, 1933. Roots of a very handsome, free flowering, twining perennial, with fleshy, deep-pink flowers.

102470 to 102490.

From France. Seeds presented by Vilmorin-Andrieux & Cie., Verrieres-le-Buisson (Seine et Oise). Received April 5, 1933.

102470. *BETULA MEDWEDIEWII* Regel. Betulaceae.

A tall tree native to southeastern Europe. The ovate to obovate, doubly serrate leaves, 3 to 6 inches long and nearly as broad, are dark green above and light green beneath, with the 8 to 11 pairs of veins impressed on the upper surface.

102471. *BETULA TRISTIS* Wormsk. Betulaceae.

A shrub 3 to 12 feet high, with broadly ovate or elliptic acuminate leaves about 2 inches long. Native to northeastern Asia.

102470 to 102490—Continued.

102472. *CALLICARPA* sp. Verbenaceae. No. 2301.102473. *CALLICARPA* sp. Verbenaceae. No. 5511.102474 to 102490. *COTONEASTER* spp. Malaceae.102474. *COTONEASTER RUGOSA LATIFOLIA* Hort.

A name for which a place of publication and a description have not been found.

102475. *COTONEASTER MELANOCARPA LAXIFLORA* (Jacq.) C. Schneid.

A form with leaves larger than the type and pendulous clusters of pink flowers and black fruits.

102476. *COTONEASTER MICROPHYLLA THYMIFOLIA* (Loud.) Koehne. Thyme rockspray.

A variety that differs from the type in being generally smaller throughout, with narrowly oblong-obovate leaves and berries one-fifth of an inch in diameter. Native to the Himalayas.

For previous introduction see 102203.

102477. *COTONEASTER MULTIFLORA* Bunge. Malaceae.

A deciduous shrub about 6 feet high, with slender arching purple branches, native to western China. The broadly ovate leaves are 1 to 2 inches long, and the many-flowered clusters of small white flowers are followed by subglobose to ovoid red fruits one-third of an inch in diameter.

102478. *COTONEASTER MYRTIFOLIA* Hort.

A name for which a place of publication and a description have not been found.

102479. *COTONEASTER UNIFLORA* Bunge.

A dwarf deciduous shrub, closely related to *C. integerrima*, 2 to 3 feet high and native to Siberia. The thin, broadly oval to obovate leaves, less than 1 inch long, are smooth above and downy beneath when young. The single, usually solitary, white flowers are followed by globose red fruits.

102480. *COTONEASTER WHEELERI* Hort.

A name for which a place of publication and a description have not been found.

102481. *COTONEASTER* sp. Farrer no. 404.102482. *COTONEASTER* sp. C. Schneider no. 719.102483. *COTONEASTER* sp. No. 2005.102484. *COTONEASTER* sp. No. 2007.102485. *COTONEASTER* sp. No. 2061.102486. *COTONEASTER* sp. No. 2119.